

REMARKS

1. Preliminary Matters

a. Status of the Claims

Claims 25-38 are pending in the application. Claims 25, 26, 29, 30, and 35-38 are amended; claims 27, 28, and 31-34 are canceled without prejudice to pursuing the claimed subject matter in a continuing application. Applicant respectfully requests entry of the of the amendments and remarks made herein into the file history of the instant application. Upon entry of these amendments, claims 25, 26, 29, 30, and 35-38 are pending and under active consideration.

b. Amendments to the Claims

Support for the amended claims can be found in the application as originally filed as described below in Table A.

Table A

Claim	Support
25	¶¶ 0036, 0042, 0046; Table 1, line 342; Table 2A, lines 144957-145050
26	as described for amended claim 25
29	¶¶ 0036, 0041, 0046; Table 1, line 342; Table 2A, lines 144957-145050
30	as described for amended claim 29
35	as described for amended claim 25; ¶ 0037
36	as described for amended claim 26; ¶ 0037
37	as described for amended claim 29; ¶ 0037
38	as described for amended claim 30; ¶ 0037

2. Restriction/Election

On page 4 of the Office Action, the Examiner requires Applicant to elect one sequence from claims 26, 27, 30, and 31 for prosecution on the merits. Applicant elects nucleic acids related to **SEQ ID NO: 159**, which is now considered claims 25, 26, 29, 30, and 35-38.

3. Conclusion

Applicant respectfully submits that the instant application is in good and proper order for allowance and early notification to this effect is solicited. If, in the opinion of the Examiner, a telephone conference would expedite prosecution of the instant application, the Examiner is encouraged to call the undersigned at the number listed below.

Respectfully submitted,

POLSINELLI SHALTON FLANIGAN SUELTHAUS PC

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